

ABSTRACT

"Tone Generating Device and Method
Using a Time Stretch/Compression Control Technique"

A pitch of a tone to be generated is designated, and simultaneously control information to be used for time-axis stretch/compression control is generated. Discrete locations of waveform data to be read out from memory are designated with the time axis of the waveform data controlled to be stretched or compressed in accordance with the control information, and part of the waveform data at the designated locations are read out at a rate corresponding to the designated pitch. For example, virtual read addresses (VAD) corresponding to the control information and actual read addresses (RAD) corresponding to the designated pitch are generated, and the actual read addresses are controlled, at the individual discrete locations, to follow the virtual addresses.

(Figure 2)

This Sheet Has Been Replaced

